

## System Summary

Exhibit No.	
Date	29 Nov 2017
Call Letters	KQCW
Channel	20
Antenna Type	TFU-31JSC O4A
Location	Oneta Site
Customer	Griffin

### Antenna

#### Hpol

#### Vpol

ERP:	1000.0 kW (30.00 dBk)	333.0 kW (25.22 dBk)
RMS Gain*:	21.0 (13.22 dB)	7.0 (8.45 dB)

### Antenna Input Power:

47.6 kW

### Transmission Line

Type:	Transmission Line	
Size:	7-3/16" 75 ohm	
Impedance:	75 ohm	
Length:	1680 ft (512.1 m)	
	Attenuation:	1.6 dB
	Efficiency:	69.55 %

### Transmitter Output

68.5 kW (18.36 dBk)

\* Gain is with respect to half wave dipole.

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